

## **DETAILED ACTION**

### ***Drawings***

The modifications to the drawings were received on 03/17/2008. These modifications are accepted by the Examiner.

In view of the amendment filed on 03/17/2008, the Examiner withdraws Drawing objections of the previous Office action.

### ***Allowable Subject Matter***

Claims 14-18 and 21 (renumbered 1-6) are allowed.

The following is an examiner's statement of reasons for allowance: claims 14-18 and 21 (renumbered 1-6) are allowed because a comprehensive search of prior art failed to teach, either alone or in combination, a method of receiving data from a data-carrying signal transmitted by a transmitter, comprising using an automatic gain controlled amplifier at the receiver to amplify the data-carrying signal to a predetermined level, the automatic gain controlled amplifier including a variable gain amplifier and a peaking amplifier, such that in a first mode, the variable gain amplifier amplifies the data-carrying signal to a predetermined level and the peaking amplifier amplifies substantially without peaking, and in a second mode, the variable gain amplifier amplifies with fixed gain and the peaking amplifier amplifies with peaking receiving values of data bits from the data-carrying signal with equalization at the receiver, generating first information for adjusting an amount of the equalization performed at the receiver, generating second information for adjusting an amount of pre-distortion

applied to the data-carrying signal by the transmitter, and transmitting the second information to the transmitter, as the applicant has claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Juan A. Torres whose telephone number is 571-272-3119. The examiner can normally be reached on 8-6 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2611

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Juan Alberto Torres

3-24-2008

/Juan A. Torres/

/Mohammad H Ghayour/

Supervisory Patent Examiner, Art Unit 2611